

Fig. 1A

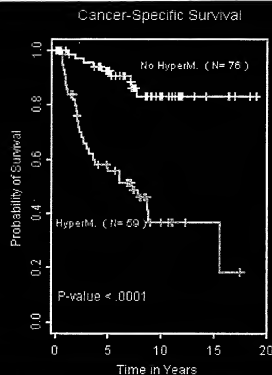


Fig. 1B

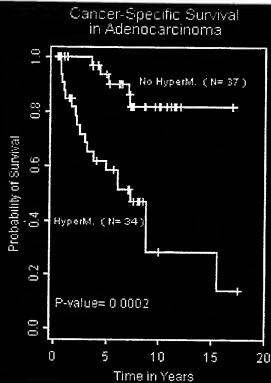


Fig. 1C

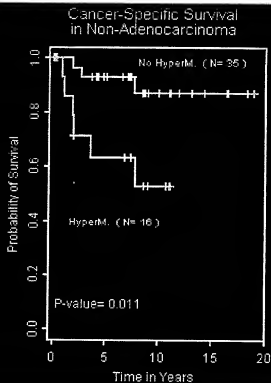


Fig. 1D

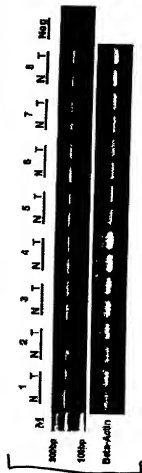


Fig.  
2A



Fig.  
2F

Fig. 2B



Fig. 2C



Fig 2D

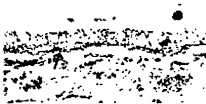


Fig. 2E

10015400-112901

T06211"00451001

CGGAGGACAG CCGGACCCGAG CCAACGCCGG GGACTTTGTT CCTCCACGG AGGGACTCG GCAACTCGCA  
 GCGCAGGGT CTGGGGCCGG CGCTGGAG GATCTGGC CCCCACCTCA CTCCCTAGCT GTGTTCCGCG  
 CGCGCCCGG CTAGTCTCC GCGCTGGG CCTATGGTC CCTCCACA GCGCTCGGA GGGACCGGG  
 GAGTCCAG GCGCCCGGA ATGCAGCTG ATGCATGAG GGCCTACGA GCGCAGGAG CGGTGGTAT  
 GGTCTGGAA GCGGAGCTA AGTCCCTTG GCTTTGTA GCGCTGACG TTTATCATGA CGGTGTTGAG  
 GCAGGAAC GTGGATGAT ACTACGAC CGCGAGGA CTGGCAGTG GACAGTTGC GGTGTGAG  
 AATGCCGTG AGAAAGTAC CGGCTCCAG TATGCCGCA AATTCATCA GAAAGAGG ACTAAGTCA  
 GCGCGCGGG TGTGAGCCG GAGACATCG AGCGGAGT CAGCATCTG AAGGAGATCC AGCACCCCA  
 TGTATCAC CTGCACGAG TCTATGAA CAAGACGAG GTCATCTGA TCTTGAAT CGTTGCAAGT  
 GCGAGCTGT TTCACTTCTT AGCTGAAAG GAATCTTAA CTGAAGAGGA AGCAACTGAA TTTCTCAAC  
 AATGCTTAA TGTGTTTAC TACCTGCACT CCTTCAAT CGCCCACTT GATCTTAAG CTGAGAACAT  
 AATGCTTTG GATGAAATG TCCCAAC TCGATCAAG ATCATGACT TTGGGTTGGC CCATAAAT  
 GACTTTGAA ATGAATTA AACATAIT GGAATCCAG AGTTTTCG CCTTGAGTA GTCAACTATG  
 AACCTCTTG TCTGAGGA GATATGGA GTATCGGGT AATAACCTAT ATCTCTAA GTGGGCTC  
 CCATTTCTT GGAACACTA AGCAAGAAC GTTAGCAAT GTATCCGTG TCAACTAGGA ATTTGAGGAT  
 GAATACTTCA GTAATACCAG TGCCCTAGCC AAAGATTCA TAAGAAGACT TCTGTTCAAG GATCCAAAGA  
 AGAATGAC AATCAAGAT AGTTGACG ATCCCTGGAT CAAGCTTAA GATACAAAC AGGCACCTAG  
 TAGAAAGCA TCAGCAGTAA ACATGGAG AAATCAAG TTTGCAGCC GGAATAATG GAAACAATCC  
 GTTCGCTGA TATCACTGT CCAAGATTA TCCAGGTAT TCCGTCCAG AAGTAACATG AGTGTGCA  
 GAAGCATGA TCTCTGGAT GCGGAAGAT COTTGTGAT GAAAGCATG ATCCATGCCA TCAACGATGA  
 CAATGTCCA GGCTGACG ACCTTCTGG CTCAATTCC AACTATGAT TTAAACCAAC CAACAAGCAG  
 GGGACACCTC CATACTCAT TGTCTGCG GTGGGATA TTCAATPACT ACAGTTGCTC ATTAAGAG  
 GCTCGAGAT CGATGTCAG GATGAGGGG GTTCCAATGC CGTCTACTGG GCTGCTCGG ATGGCCAGT  
 CGATACCTTG AATTTCTCA GTGAGAACAA ATGCCCTTG GATGTGAAG ACAAGTCTGG AGAGATGCC  
 CTCACCGTGG CAGCTGGCTA TGCCCATGCT GAGTGGCTC AAGTTACTTG TGCAGCTTCG GCTCAATCC

Fig. 3A

T06211-00151001

CAATATCCAG GACAAAGGAA GAAGAAACCC CCTGCACTG TGCTGCTTGG CACGGCTATT ACTCTGTGGC  
 CAAGACCCCTT TGTGAAGCCG GCTGTAACTG GRACATCAAG AACCGAGAAG GAGAGACGCC CTCTCTGACA  
 GCCTCTGCCA CGACTATCA CAGTGTCTGG GAGTGTCTGG CGAACATGG AGCCGACCTT AATGCTTGGC  
 ACAGAGCCG ACACATCTGG CTTCATCTGG CTGTAAAGAG GTGTACAGTG GAGGTAATCA AGACTCTCT  
 CAGGCAAGG TGTTCCTGCG ATTATCAAGA CAGGCACGGC AATACTCCCC TCATGTTGGC ATGTAAGGAT  
 GGAACATGC CTATCGTGT GGCCTCTGT GAAGCAAACT GCAATTTGGA CATCTCAAC AGTATATGGC  
 GAAGCCTCT GCACCTTGG GCAACAACAG GAATCTTGA CTGGTCCGG TATCTCTGTC TGATGGGAGC  
 CAGCGTTGAG GCCTTGACCA CGGACGGGAA GACGGCAGAA GATCTTGCTA GATCGGAACA GCACGAGCAC  
 GTAGCAGGTC TCCTTGCAAG ACTTCGAAG GATACGACC GAGGACTCTT CATCCAGCAG CTCGACCCA  
 CACAGAACCT GCAGCCAGA ATTAAAGCTCA AGCTGTTGG CCACTCGGGA TCCGGGAAA CCACCTTGT  
 AGAATCTCTC AAGTGTGGC TGCTGAGGAG CTTTTTGA GAGCGTGGC CCAGACTGTC TCACCAACAC  
 TCCAGCAGGT TCCCACCTC ACCCTGGCT TCTAAGCCCA CAGTCTCAGT GAGCATCAAC AACCTGTACC  
 CAGGCTGCCA GAACGTGAGT GTGAGGAGCC GCAGCATGAT GTTCGAGCCG GGTCTTACCA AAGGATGCT  
 GGAGGTGTTT GTGGCCCGA CCACCAACC GCATGTCTCG GCCATGACC AGTCCACAA GGCACTGCAC  
 ATCCAGAAG CTTATTTGAA TGGAGTTGGC GATTTACGG TGTGGGATTT CTCTGGAAAT CCTGTGTATT  
 TCTGCTGTTA TGACTATTTT GCTGCAATG ATCCACGTC AATCCATGTT GTTGCTTTA GTCAGAAGA  
 GCCCTATGAG ATCCAGCTGA ACCCAGTGAT TTTCTGGTC AGTTTCTGA AGTCCCTGT CCAGTTGAA  
 GAACCCATAG CTTTCGGTGG CAAGCTGAG AACCCACTCC AAGTTGCTCT GGTGGCCACC CAGGCTGACA  
 TCAATGAATGT TCCTCGACCG GTTGGAGCG AGTTTGATA TGACAAAGAC ACATCGTGC TGAAGAGAT  
 TAGGAACAGG TTTGGAATG ATCTCAAT TTTCAATAAG CTGTTTGTTC TGATGCTGG GGTCTGTGGG  
 TCAAAGGACA TGAAGTACT TCGAAATCAT CTGCAAGAA TACGAAGCCA GATTTTTC GCTGTCTCTC  
 CCATGACTCA CTTGTGTAG AAAATCATCT CCACGCTGCC TTCCTGGAGG AAGTCAATG GACCCACCA  
 GCTGATGTG CTGACAGAGT TTGTGTAGCA CTGACAGAC CAGCTGAAC CCCTGGCCAG CGAGGAGAC  
 CTCAGGGGCA TTGCTCAGA GCTCCACAG ACAGGCGAGA TCAACATCAT GCAAAGTGAA ACAGTTCAGG  
 ACGTGTGCT CCTGGACCCC CGCTGGCTCT GCACAAACGT CCTGGGAAG TTGCTGTCCG TGGAGACCCC

Fig. 3B

TGGCTTT"00451000F

ACGGGCGGTG CACCACTACC GGGGCGCGTA CACCGTGGAG GACATCCAGC GCCTGTGTCC CGACAGGCAC  
 GTGAGGAGC TGTGTCAGAT CTCTGATGCC ATGGACATCT GCGCCCGGGA CCTGAGCAGC GGGACCATGG  
 TGGACGTCC AGCCTGTATC AAGACAGACA ACCTGACCG CTCCTGGCT GATGAGGAG ACAGGTGAT  
 GGTATGTTT AGCGTGCACA TGTGCGCCGT GGAACACCTC AGCCCTTCC CATGTGGCAT CTTTCAAG  
 TCCAGGTG ACCTGTGCGG TGTGATCCAC CAGCAAGCA CAGAGGCGA CGCGACATC CGCTGTGGG  
 TGAATGGCTG CAACTGGCC AACGTGGG CCGAGCTGCT GGTGTGTGT GTCAACACG GCGAGGGAT  
 TGAGTCCAG GTCCGTGGCC TGGAGCGGA GAAGATCAAG TGCTGCCCTG TGCTGGACTC GGTGTGACG  
 ACCATTGAGA ACCTCATGSC CACCACGTG CCAGGGCTCC TGACCGTGAA GCATTACCTG AGCCCCAGC  
 AGCTGCGGA GCACCATGAG CCGGTCTATG TCTACCAGCC ACGGACTTC TTCCGGGCAC AGACTCTGAA  
 GGAACCTCA CTGACCAACA CCATGGGGG GTACAAGAA AGCTTCAGCA GCATCATGTG CTTGCGGTGT  
 CACGACGTCT ACTCACAGSC CAGCCTCGC ATGGACATCC ATGCATCAGA CCTGAACCTC CTCACTCGGA  
 GGAACGTAG TCGCTGTGTG GACCCGCCG ACCCCCTGGG GAAGGACTGG TGCCCTTCTG CCATGAACCT  
 AGGCTCCCT GACCTCGTGG CAAAGTACAA CACCAATAAC GGGGCTCCCA AGGATTTCTT CCCCAGCCCC  
 CTCACACGCC TGCTGCGGA ATGACCACC TACCCTGAGA GCACAGTGG CACCTCATG TCCAAACTGA  
 GGGAGCTGGG TCGCCGGGAT GCGCAGACC TTTTGTGTA GGCATCCTCT GTGTTCAAAA TCAACCTGGA  
 TGGCAATGCC CAGGAGGCT ATGCTCGAG CTGCAACAGC GSCACCTCTT ACAATTCAT TAGCTCTGTT  
 GTATCCCGT GAGGCGAGC TCTGGCTTGG ACAGGTCTG TTTGACTGC AGAACCAAG GGTGATGTA  
 GGCATCCTT CCCTTTGGAG ATGCTGAGG TGTTTCTTCC TGCACCCACA GCCAGGGGA TGCCACTCCT  
 CCCTCCGGCT TGACCTGTT CTCTGCCCT ACCTCCCTCC CGTCTCATT CGTGTCTGT TGGATGTCA  
 TTTGAGTTTA AGATCTTTTA CTTTGGCGC TTGAAAAGCT AGTGTACCT CTTCTAGTGT  
 TTTGACATCC ATCTCTCATC CTCCAGTACC TTGCTCTTA CTGATAATTT TGCTGGRATT CCTAACCTTT  
 CAAATGACAT TTTTTTAACT ATCATATGTA TTGTCTCTTA AAAAGAAAA GTGCATATTT ATCCAAAATG  
 TGTATTTCT ATAGCTTTT CTGTGTTATA CCAATTCCTC AGCTTATCT TTTTATATTT GTAGGAGAAA  
 CTCCCATGTA TGAATCCCA CTGTATGATT TATAAACAGA CAATATGTA GTGCCCTTTG CAGAAGAGGG  
 TGTGTTTGAA ATCATCGGAG TCAGCCAGGA GCTGTACCA AGGAAAGCT ACCTCTCTGT CCCTTGTGT

Fig. 3C

Fig. 3D

ATGCTGATCA TCGCCAGAGG TGCTTCACCC TGAGTTTGT TTTGTAATGT TTTCTGACAG TTTTCTGT  
 TTGTTTGGCA AGGAAAGGG AGAAGGAAT CCTCCTCAG GGTGATTTA TGATCAGTG TGTTGCTCTA  
 GGAAGACATT TTTCCGTTTG CTTTGTTC AATGCAATG TGAACGTCCA CATGAACCT ACACACTGTC  
 ATGCTTCATC ATTCCCTCTC ATCTCAGTA GAAGTTGAC ACAGTTGTAG GGTACAGAG ACCTATGTAA  
 GAATTCAGAA GACCCCTGAC TCATCATTTG TGGCAGTCCC TTATAATTGG TGCATAGCAG ATGGTTTCCA  
 CATTTAGATC CTGGTTTCAT AACTTCCTGT ACTTGAAGTC TAAAAGCAGA AAATAAGGA AGCAAGTTT  
 CTTCCATGAT TTAAATTGT GATCGAGTTT TAAATTGATA GGAGGGAACA TGTCCTAATT CTTCTGTCTT  
 GAGAGCATG TAATGTTAAT GTTATATCAT ATGTATATAT ATATATGCAC TATGTATATA CATATATATT  
 AATACTGGTA TTTTACTTA ATCTATAAAA TGTCGTTAAA AAGTTGTTTG TTTTCTCTT TTTTATATAA  
 TAAACTGTTG CTCGTTAAAA AAAAAAAAAA

106211"00451001



FIG. 4: CONSIST

ATGGCAGGT TCTCTCCTTG GCGGCGGCGG CAGCGGGGA GCGGCGGGG GCGGCGGGG AGCACGCTT  
 CCGGGGAGC ACCAGAACTG GTCGGTGATT TAGGTAGTTT CCTGTGTGTG GGATCCACCT TTCTCTCGAC  
 AGGCACGACA CTGCCCTTCA TTACTTCAGT TGAAATCGTC TCCAGGTACC TCTGCGGCG GGGTGGGGC  
 CCGCGGGGC ATCAGGCC CTTTGGCC TGGTCGTGCC AGGCTGCGG TGGCAACCTC GGCTTCCCT GCTCAGGAGC  
 CTCGTGCTT TCTCCGAGC GCTTGGCAG CCGGCGGCT TTCCCTTCC ACCACACC TCCACCTGGT  
 CACAGCAGT AACCCAGCAG CCAACTGGCT TCATGCGCG TCCACTCGGA AAAAGCGTG CCCCTATACA  
 AATCACGAGA CCTGGAACT GGAGAAAGAG TTTCTGTTC ACATGTACCT CACCAGGAC GCAGGTACG  
 AGGTGGCTG ACTGCTCAAC CTCACCGAGA GGCAGGTCAA GATCTGGTTC CAGAACCGCA GGATGAAAT  
 GAAGAAATC AACCAAGACC GAGCAAAAGA CGAGTGA

Fig. 4